



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

## DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC - High Efficiency

Frame : 143/5JM  
 Output : 2 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3500 rpm  
 Slip : 2.78 %  
 Voltage : 208-230/460 V  
 Rated current : 5.64-5.10/2.55 A  
 Locked rotor current : 43.3/21.7 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.5  
 No-load current : 2.25/1.12 A  
 Full load torque : 2.96 lb.ft  
 Locked rotor torque : 280 %  
 Breakdown torque : 350 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 14 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 36 lb  
 Moment of inertia : 0.04651 sq.ft.lb  
 Noise level : 68 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6206 ZZ	6203 ZZ	100%	0.88	84.0
Regreasing interval	---	---	75%	0.82	84.0
Grease amount	---	---	50%	0.71	82.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00236EP3E145JM-S

Performed by

Checked